

VII. CURRENT ENVIRONMENT ANALYSIS

HARDWARE ENVIRONNENT

The Arizona Judicial Branch has a diverse mix of hardware, reflecting the various projects and programs that have evolved over the years, as well as the diverse funding model that supports the courts. This diversity stems from new applications, either acquired and/or developed, in support of an increasing need to track, manage and report on judicial information. As we continue to evolve, the hardware implemented is of the newest architectures and technologies, designed to support the complexity of these applications and the large geographical area served by the Judicial Branch. At the local level, statewide ideals are subjected to the realities of local funding bodies' priorities, availability of grant funds, and differing funding cycles in play.

FY11 showed a reduction in the overall number of legacy systems hosted in the Administrative Office of the Courts (AOC) Data Center. However, with the migration to newer hardware and operating systems, growth and new application requirements, the number of physical and virtual (VM) Windows-based systems being supported continues to increase. See Appendix A for current hardware and platform inventory numbers.

Several server environments are hosted at the AOC's Data Center:

- IBM AS/400s for JOLTS and general administrative operations of the Administrative Office of the Courts;
- IBM AIX systems for operating the ACAP courts, Adult Probation, the appellate courts, Data Warehouse, Datamart and IBM MQ Messaging infrastructure;
- Windows servers for JWI, NewWorld, AJACS, OnBase EDMSS, Internet, Intranet, e-mail, AZTurboCourt, Central Document Repository (CDR), SWID (Juvenile Statewide ID), BMC Incident and Change Management, system monitoring tools, Tax Intercept Program, desktop deployment, SQL Server Reporting Services, statewide remote on-line training, as well as file and print sharing. New applications due to be released into the Windows environment in FY12 include JOLTSaz and AZYAS.

The desktop environment includes a variety of PCs. AOC/ITD, under COT's direction, has undertaken a four-year equipment leasing cycle which is designed to refresh desktop hardware regularly to ensure that it incorporates the technology needed to support the evolution of statewide applications and projects.

The following are standard PC models stockpiled in the previous refresh cycle currently being placed into service:

Desktop:

EW290AV hp Compaq Business Desktop dc5700 SFF, Intel Core 2 Duo 2.13GHz, 160 GB, 2 GB RAM, NIC

Laptop:

VD442AV HP EliteBook 8540p, Quad Core i7-720QM, 250 GB, 4 GB RAM, NIC

Printer:

Q5401A HP LaserJet 4250N

Note that hardware items listed in Appendix A are generally housed and supported centrally as a part of statewide or state-level projects. Individual courts often have additional hardware and/or software beyond these items. Equipment acquired and supported locally, as well as both ACAP- and JOLTS- supported desktop devices, are listed in the individual courts' IT Strategic Plans which are attached. Please refer to individual county court plans for additional specifics at the local level.

SOFTWARE ENVIRONMENT

There remains a persistent diversity of software throughout the courts. As the Judiciary moves to centralized support and standardization with a centralized Customer Support Center, the set of products used becomes increasingly standardized. However, industry trends being as fast paced as they are, and unlikely to slow down, there will always be a three-tiered software offering.

- On the first tier are the old or legacy applications.
- On the second tier are the standard applications which are stable and for which training and Support Center assistance is available. Word and Vista are both examples of that type of application.
- In the third tier are the pilot users of what will likely be the next version, release or product. The new statewide LJ CMS system is an example of a third-tier application.

The list of software products shown in Appendix B is divided into two categories.

The first category includes the products in use statewide in courts for which the Support Center provides assistance. There are many other products in use in the Superior, Justice and Municipal courts statewide, most often supported by the IT staff of the local court, city, or county government. At the state level, however, these are not supported and not included in the list.

The second category includes those products in use at the Supreme Court and the Administrative Office of the Courts.